

ABSTRACT OF THE DISCLOSURE

A continuous process is provided for the manufacture of haloalkanes by the reaction of carbon tetrachloride with olefins in the presence of iron metal, trialkylphosphate, and ferric chloride.

A fraction of the catalyst and co-catalyst are separated after the reaction and recycled. In a preferred
5 application, the olefin is ethene, and the haloalkane product is 1,1,1,3-tetrachloropropane. Two
distillation steps take place in order to enhance the production of 1,1,1,3-tetrachloropropane.

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